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PTO/SB/08A (08-00)
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number		Unassigned			
Filing Date		14 October 2003			
First Named Inventor		Lai			
Group Art Unit		Unassigned			
Examiner Name		Unassigned			
Attorney Docket Number		RDRT 1004-2			
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
DK	A1	5,465,185		Heim et al.	11-07-95	
	A2	5,668,685		Soeya et al.	09-16-97	
	A3	5,701,222		Gill et al.	12-23-97	
	A4	5,701,223		Fontana Jr., et al.	12-23-97	
	A5	5,739,990		Ravipati et al.	04-14-98	
	A6	5,768,067		Saito et al.	06-16-98	
	A7	5,804,250		Yang	09-08-98	
	A8	5,849,422		Hayashi	12-15-98	
	A9	5,976,713		Fuke et al.	11-02-99	
	A10	6,002,555		Tagawa	12-14-99	
	A11					
	A12					
	A13					
	A14					
	A15					
	A16					
	A17					
	A18					
	A19					
	A20					

FOREIGN PATENT DOCUMENTS								
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
	B1							
	B2							
	B3							
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	B6							
	B7							
	B8							
	B9							
	B10							

Examiner Signature	Date Considered 4/22/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.

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<div style="float: left; width: 40%;"><p>Substitute for form 1449B/PTO</p><h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2><p style="text-align: center;">(use as many sheets as necessary)</p></div> <div style="float: right; width: 60%; border: 1px solid black; padding: 5px;"><p style="text-align: center; margin: 0;">Complete if Known</p><table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td>Unassigned</td></tr><tr><td>Filing Date</td><td>14 October 2003</td></tr><tr><td>First Named Inventor</td><td>Lai</td></tr><tr><td>Group Art Unit</td><td>Unassigned</td></tr><tr><td>Examiner Name</td><td>Unassigned</td></tr><tr><td>Attorney Docket Number</td><td>RDRT 1004-2</td></tr></table></div>				Application Number	Unassigned	Filing Date	14 October 2003	First Named Inventor	Lai	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	RDRT 1004-2
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Sheet	2	of	2												

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	P. Bruno et al., "Oscillatory Coupling Between Ferromagnetic Layers Separated by a Nonmagnetic Metal Spacer," Sept. 16, 1991, The American Physical Society, Physical Review Letters, Vol. 67, No. 12, pp. 1602-1605.	
	C2	J. J. deVries et al., "Exponential Dependence of the Interlayer Exchange Coupling on the Spacer Thickness in MBE-grown Fe/SiFe/Fe Sandwiches," April 14, 1997, The American Physical Society, Physical Review Letters, Vol. 78, No. 15, pp. 3023-3026.	
	C3	S. S. P. Parkin et al., "Oscillations in Exchange Coupling and Magnetoresistance in Metallic Superlattice Structures: Co/Ru, Co/Cr, and Fe/Cr" 1990, The American Physical Society, Physical Review Letters, Vol. 64, No. 19, pp. 2304-2307.	
	C4	Zhu-Pei Shi et al., "Antiferromagnetic Bias in the Interlayer Magnetic Coupling," May 20, 1994, Europhysics Letters, 26 (6), pp. 473-478.	
	C5	Zhu-Pei Shi et al., "Interlayer Magnetic Coupling in Metallic Multilayer Structures," June 1, 1994, The American Physical Society, Physical Review B, Vol. 49, No. 1, pp. 15 159-15 178.	

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